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H Amaris, C Vilar, J Usaola, JL Rodriguez - Harmonics And Quality of **Power**, 1998. Proceedings. 8th ..., 1998 - ieeexplore.ieee.org
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S Roy - Energy Conversion, IEEE Transactions on, 1997 - ieeexplore.ieee.org
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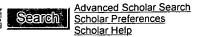Result Page: **1** 2 3 4 5 6   **Next**

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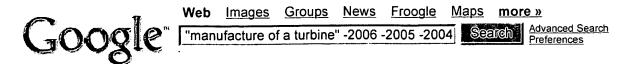uses less than reasonable care in his preparation of the metal and if the ...
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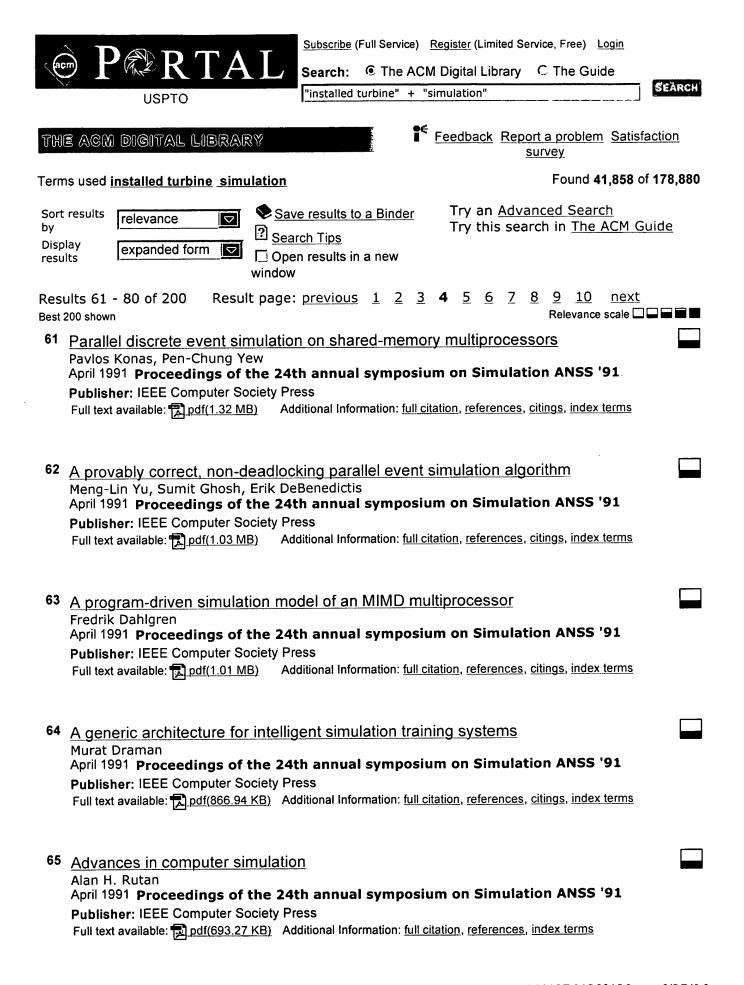Try your search again on Google Book Search

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61 Parallel discrete event simulation on shared-memory multiprocessors   ▬
Pavlos Konas, Pen-Chung Yew
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62 A provably correct, non-deadlocking parallel event simulation algorithm   ▬
Meng-Lin Yu, Sumit Ghosh, Erik DeBenedictis
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66 <u>Real-time hierarchically distributed processing network interaction simulation</u>

Wayne F. Zimmerman, Chung-I Wu

January 1988 **Proceedings of the 21st annual symposium on Simulation ANSS '88**

Publisher: IEEE Computer Society Press

Full text available: <u>pdf(1.26 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

The Telerobot Testbed is a hierarchically distributed processing system which is linked together through a standard, commercial Ethernet. Standard Ethernet systems are primarily designed to manage non-real-time information transfer. Therefore, collisions on the net (i.e., two or more sources attempting to send data at the same time) are managed by randomly rescheduling one of the sources to retransmit at a later time interval. Although acceptable for transmitting noncritical data such as ma ...

67 <u>Using distributed simulation for distributed application development</u>

Max Muhlhauser

January 1988 **Proceedings of the 21st annual symposium on Simulation ANSS '88**

Publisher: IEEE Computer Society Press

Full text available: <u>pdf(1.31 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

The software engineering environment DESIGN integrates several approaches for the development of distributed applications. The distributed programming language DC provides for language support. A workstation based human interface integrates programming tools such as a language sensitive editor, a distributed debugger, data evaluation tools, etc. This paper concentrates on a further approach of DESIGN: performance evaluation and prototyping on the basis of distributed simulation

68 <u>Application of simulation for order sequencing in flow-shop production systems</u>

Rolf Schmidt

January 1988 **Proceedings of the 21st annual symposium on Simulation ANSS '88**

Publisher: IEEE Computer Society Press

Full text available: <u>pdf(1.06 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

In many cases the functionality and performance of flow-shop production systems depends heavily on the selection of a suitable sequence of orders. The main objectives of order sequencing in production systems are minimization of set-up times, continuous and optimal use of capacities, reliability of delivery, minimization of stock and throughput time as well as avoidance of undue system states. The complexity of the task of order sequencing usually requires the employment of heuri ...

69 <u>System-level simulation of a next generation, multi-sensor concurrent signal processor</u>

James F. Engler

January 1988 **Proceedings of the 21st annual symposium on Simulation ANSS '88**

Publisher: IEEE Computer Society Press

Full text available: <u>pdf(967.75 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

A new generation of processors is now emerging which addresses the modular processing requirements for a wide range of multispectrum applications envisioned for the late-20th/early-21st century. Due to the complexity of interaction among software modules and hardware devices simulation techniques are required to verify that specific configurations support application requirements. This paper demonstrates how simulation results can provide useful information for validation objectives. For th ...

70

Ada simulation technology - methods and metrics

John E. Melde, Philip G. Gage

January 1988 **Proceedings of the 21st annual symposium on Simulation ANSS '88**

Publisher: IEEE Computer Society Press

Full text available: pdf(1.53 MB)   Additional Information: full citation, abstract, references, index terms

> This paper describes the impact of the Ada programming language on the development and use of simulation models. Based upon the development in Ada of a discrete-event simulation package (A*SIM), Ada is shown to provide numerous language features and methodologies that are ideally suited for modeling and simulation. Productivity and performance metrics collected during development and extensive use of A*SIM are also presented to provide quantitative comparisons of Ada-based modeling and simu ...

71 A proposed college curriculum in simulation

Bevlee A. Watford, D. L. Kimbler

January 1988 **Proceedings of the 21st annual symposium on Simulation ANSS '88**

Publisher: IEEE Computer Society Press

Full text available: pdf(587.03 KB)   Additional Information: full citation, abstract, references, index terms

> The status of simulation education at Clemson University is investigated with respect to the current requirements of industry use of simulation as an analytical tool. A sequence of courses addressing all phases of the simulation analysis and modeling procedure is described. A taxonomy of simulation topics by area and curriculum level is provided. A survey of industry simulation analysts is utilized to assist in specifying the proposed educational requirements to ensure that Clemson industri ...

72 Algorithms for HLA-based distributed simulation cloning

Dan Chen, Stephen J. Turner, Wentong Cai, Boon Ping Gan, Malcolm Yoke Hean Low

October 2005 **ACM Transactions on Modeling and Computer Simulation (TOMACS),**
Volume 15 Issue 4

Publisher: ACM Press

Full text available: pdf(1.34 MB)   Additional Information: full citation, abstract, references, index terms

> Distributed simulation cloning technology is designed to analyze alternative scenarios of a distributed simulation concurrently within the same execution session. One important goal is to optimize execution by avoiding repeated computation among independent scenarios. Our research is concerned with the cloning of High Level Architecture (HLA)-based distributed simulations; a federate may spawn clones to explore different scenarios at a decision point. This article introduces the cloning mechanis ...

Keywords: High level architecture, distributed simulation cloning, incremental cloning, runtime infrastructure

73 Efficient simulation of buffer overflow probabilities in jackson networks with feedback

Sandeep Juneja, Victor Nicola

October 2005 **ACM Transactions on Modeling and Computer Simulation (TOMACS),**
Volume 15 Issue 4

Publisher: ACM Press

Full text available: pdf(257.13 KB)   Additional Information: full citation, abstract, references, index terms

> Consider a Jackson network that allows feedback and that has a single server at each queue. The queues in this network are classified as a single 'target' queue and the remaining 'feeder' queues. In this setting we develop the large deviations limit and an asymptotically efficient importance sampling estimator for the probability that the target queue overflows during its busy period, under some regularity conditions on the feeder queue-length distribution at the initiati ...

Keywords: Importance sampling, Jackson networks, asymptotic optimality, queueing networks, rare event simulation, variance reduction

74 Distinguishing simulation games from simulators by considering design characteristics
Viknashvaran Narayanasamy, Kok Wai Wong, Chun Che Fung, Arnold Depickere
November 2005 **Proceedings of the second Australasian conference on Interactive entertainment IE2005**
Publisher: Creativity & Cognition Studios Press
Full text available: pdf(64.54 KB)   Additional Information: full citation, abstract, references

The advent of powerful personal computers has made it possible for home users to experience simulation technology through Simulation Games (a.k.a. Sims). In recent years, the cross-boundary transfusion of technology along with other reasons has contributed towards the confusion, as to what makes a Simulation Game and what makes a Simulator. This paper provides a definitive comparison of the similarities and differences involved in Simulation Game and Simulator design. This paper also introduces ...

Keywords: computer simulation games, simulators

75 A VISUAL ENVIRONMENT FOR DISTRIBUTED SIMULATION SYSTEMS
James H. Graham, Adel S. Elmaghraby, Irfan Karachiwala, Hussam Soliman
January 1996 **ACM SIGSIM Simulation Digest**, Volume 25 Issue 3
Publisher: ACM Press
Full text available: pdf(919.47 KB)   Additional Information: full citation, abstract, references

Parallel and Distributed Simulation (PADS) algorithms are typically categorized to belong to one of two categories. They are either conservative or optimistic with respect to the method of handling causality. Conservative systems strictly preserve causality, while optimistic systems detect and correct causality errors when they occur. *Time Warp* is the basis of optimistic algorithms where rolling back the simulation clock allows the simulation to correct for errors. The Global Virtual Time ...

76 Simulation documents available from NTIS
Tuncer I. Ören
October 1975 **ACM SIGSIM Simulation Digest**, Volume 7 Issue 1
Publisher: ACM Press
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77 Ladder queue: An O(1) priority queue structure for large-scale discrete event simulation
Wai Teng Tang, Rick Siow Mong Goh, Ian Li-Jin Thng
July 2005 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 15 Issue 3
Publisher: ACM Press
Full text available: pdf(2.51 MB)   Additional Information: full citation, abstract, references, index terms

This article describes a new priority queue implementation for managing the pending event set in discrete event simulation. Extensive empirical results demonstrate that it consistently outperforms other current popular candidates. This new implementation, called Ladder Queue, is also theoretically justified to have $O(1)$ amortized access time complexity, as long as the mean *jump* parameter of the priority increment distribution is finite and greater than zero, regardless of its varia ...

Keywords: Pending event set implementations, calendar queue, priority queue

78 Invited papers: A tutorial view of simulation model development

Richard E. Nance
April 1984 **ACM SIGSIM Simulation Digest**, Volume 15 Issue 2
Publisher: ACM Press
Full text available: pdf(655.48 KB)   Additional Information: full citation, abstract, references

Working from the background of simulation language developments, we develop an understanding of the current status of simulation model development. Factors characterizing the current status include a shift in emphasis from program to model, more commitment to modeling tools, and the lingering impedance of simulation language isolation. Current and future needs are identified. Specific approaches to meeting these needs are cited in an extensive description of current research, and in summary we c ...

79 Contributed paper: The discrete event simulation computer - DESC

Meir Barel
April 1984 **ACM SIGSIM Simulation Digest**, Volume 15 Issue 2
Publisher: ACM Press
Full text available: pdf(900.37 KB)   Additional Information: full citation, abstract, references

Simulation of large models on digital computers is often limited by the high computational expenses. The Discrete Event Simulation Computer (DESC) reported here improves simulation performance through an exploitation of parallelism inherent in simulation, with regard to list processing, random number generation, statistical analysis and program control. The DESC consists of a set of nodes that communicate via FIFO-buffered channels (i.e. do not share memory among nodes). In order to achieve high ...

80 Validation: the bottleneck in system simulation

October 1976 **ACM SIGSIM Simulation Digest**, Volume 8 Issue 1
Publisher: ACM Press
Full text available: pdf(488.81 KB)   Additional Information: full citation, abstract, references

In simulation exercises some degree of validation is necessary in order to create confidence in the results obtained. Experienced users of generalized simulation software and commercially available simulation tools often find that the majority of their simulation efforts are localized in the validation cycle. Discussed in this paper are some of the factors which have caused the validation process to become more complicated and more time consuming. This paper also summarizes the major problems wi ...

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